

-20-

### **ABSTRACT**

A sensor is provided on a lead and senses various physical parameters that are indicative of a desired anatomical target, such as the coronary sinus. The data from the sensor is used to navigate to the anatomical target and/or confirm that the anatomical target has been reached. In one embodiment, the sensor is a temperature sensor and increased temperature values in and around the coronary sinus are used for navigational purposes.